

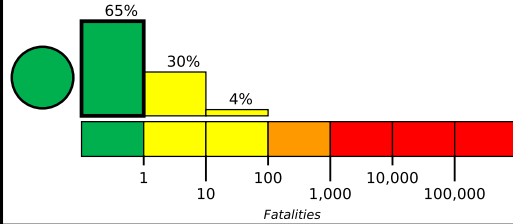
## M 4.1, 3 km SW of Tallaboa, Puerto Rico

Origin Time: 2022-02-24 20:48:38 UTC (Thu 16:48:38 local)  
Location: 17.9272° N 66.7247° W Depth: 10.0 km

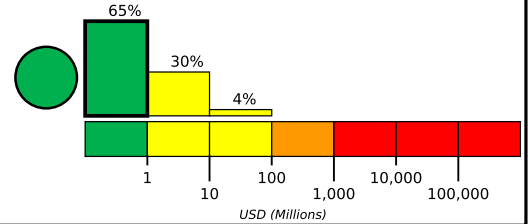
Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

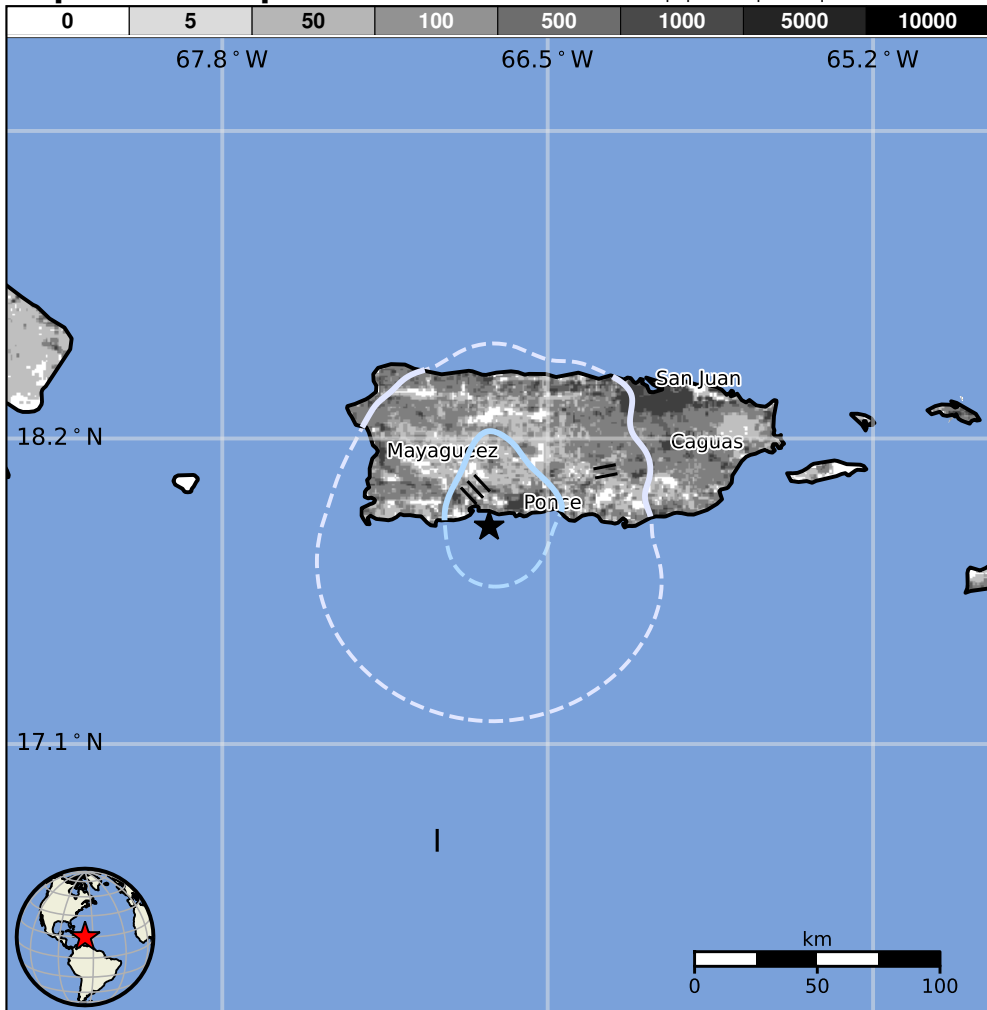


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		1,636k	1,773k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-03-23	248	6.6	VI(605k)	0
1980-11-12	347	5.9	VII(87k)	—
1984-06-24	279	6.7	VII(326k)	5

## Selected City Exposure

from GeoNames.org

MMI	City	Population
III	Penuelas	7k
III	Tallaboa	1k
III	Magas Arriba	1k
III	Tallaboa Alta	2k
III	Santo Domingo	4k
III	Guayanilla	5k
III	<b>Ponce</b>	<b>153k</b>
II	Bayamon	203k
I	<b>Caguas</b>	<b>87k</b>
I	Carolina	170k
I	<b>San Juan</b>	<b>418k</b>

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/pr2022055002#pager>

bold cities appear on map.

(k = x1000)

Event ID: pr2022055002